

AGENDA

DESIGN REVIEW MEETING

October 8, 1964

CONTACT DUPLICATING & RESEAU PRINTER

- I. Introduction Scope of meeting. Plans for submission of Design Analysis
 1. Industrial Design. General configuration and operation ✓
 2. Drive Systems and Film transport ☐
 3. Reseau Grid-Sources of supply. Samples of Reseau lines. Test results and tests planned.
 4. RFI design. List of approved components. Technical information and literature submitted to ☐
 5. Film metering by photoelectric counting of increments. Frame sensing by photo-electric detection of frame edge. Test results.
 6. Contact pressure by inflatable air-bag. Resolution results.
 7. Pre-View & Punching Station. Punch formats. Optical means vs. mechanical means for frame location.
 8. Controls and functions. Indicators, alarms, and interlocks.
 9. Masking. Coded information.
 10. Environmental design. Cambridge filters, etc.
 11. Resolution targets
 12. Discussion of Operational Modes. Automatic, semi-automatic, & Reseau mode.
- II. Miscellaneous
 1. Discussion of expected content and format for forthcoming Design Plan
 2. Contractual confirmation of verbal agreements reached with technical monitors. Latest additions to list.
 3. Reports, technical information, and samples requested from technical monitors.
 4. Request for change in specifications (3.11) from S0-105 to S0-267
 5. Clarification of specification Para. 3.4.3 from 5 micron accuracy of Reseau location to ± 5 microns.
 6. Since negative density affects Reseau line width, at what density is the line to print out at 12-15 microns (Para. 3.4.2)

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DESIGN REVIEW MEETING
HIGH RESOLUTION STEP AND REPEAT PRINTER

1. Delivery of Presentation Material to customer; discussion
2. Task Status Reports

A. Human Factors

Control Panel and Controls

B. Power Distribution and RFI

Power and Fusing Distribution Plan

C. Film Coding

Coding sensors and logic

D. Film Gate

Review of resolution and Newtons Fringes tests

E. Film Handling

Discussion of design parameters, sketches and
Configurations

F. Exposure Control

1. Parameter discussion by

2. Discussion of proposed system by

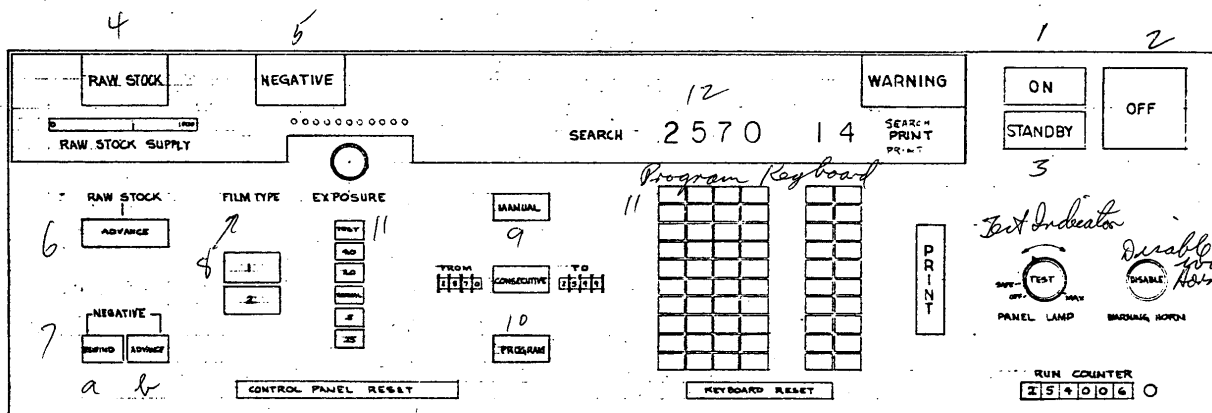
3. Questions outstanding

A. Monitor procurement outstanding

B. New questions

C. General Discussion

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REQUESTS FROM TECHNICAL MONITORS

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1. study report on High-Resolution Printing
2. Samples of "typical" aerial negatives to study fiducials, borders, skewness, frame edges, contrast levels, density ranges.
3. Frame size for each specified width of film. Needed for masking design.
4. List of approved RFI components from Signal Corps Procurement Agency, Philadelphia, Pennsylvania.

1. Means for testing Automatic Exposure Control are up to
The Test Plan to be submitted later in the program. No objection was raised at this time to the use of a step-wedge rather than an aerial negative.

2. It has been resolved that no RFI test will be required. It will be sufficient if the machine is designed and fabricated to the referenced RFI specification.

3. It has been resolved that a 500' spool capacity for negative and duplicating film will be adequate. Provision for 1000' spools is not required.

4. The problem of hole-slot-hole punching on one edge was discussed. When films are to be printed with emulsion "down" instead of the normal "up" position, this will be determined beforehand and the appropriate edge will be punched so that it will coincide with the locator pin format at the printing station.

5. Masking of negative frames will include any code information printed on borders or between frames. Masks will be larger than frame size, but small enough to exclude adjacent frames.

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